

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE 03/03863

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60R21/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 940 301 A (NISSAN MOTOR) 8 September 1999 (1999-09-08) paragraphs '0017!-'0037!	1,24
A	US 5 829 779 A (SAKAMOTO NOBUHIKO ET AL) 3 November 1998 (1998-11-03) column 3, line 61 -column 4, line 58; figures 2-4F	1,24
A	US 6 155 598 A (KUTCHEY MICHAEL B) 5 December 2000 (2000-12-05) column 3, line 42 -column 4, line 12; figures 6-11	1,24
A	US 6 371 518 B1 (SCHIERBEEK JAMES ET AL) 16 April 2002 (2002-04-16) column 4, line 21 -column 7, line 61	1,24
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

8 April 2004

Date of mailing of the international search report

20/04/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 249 374 A (TAKATA CORP) 16 October 2002 (2002-10-16) paragraphs '0020!-'0024!; figure 9	1,24
A	US 2001/015549 A1 (OZAKI TORU ET AL) 23 August 2001 (2001-08-23) paragraphs '0043!, '0044!; figure 5	1,24

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE 03/03863

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0940301	A	08-09-1999	EP US WO JP	0940301 A1 6231070 B1 9915372 A1 11152004 A		08-09-1999 15-05-2001 01-04-1999 08-06-1999
US 5829779	A	03-11-1998	JP JP	3397041 B2 9315245 A		14-04-2003 09-12-1997
US 6155598	A	05-12-2000	DE	10041042 A1		03-05-2001
US 6371518	B1	16-04-2002	AU EP WO	2627301 A 1257441 A1 0162556 A1		03-09-2001 20-11-2002 30-08-2001
EP 1249374	A	16-10-2002	JP EP US	2002308032 A 1249374 A2 2002145272 A1		23-10-2002 16-10-2002 10-10-2002
US 2001015549	A1	23-08-2001	US US JP JP US	6186543 B1 2003137133 A1 9142249 A 9142245 A 5884939 A		13-02-2001 24-07-2003 03-06-1997 03-06-1997 23-03-1999